



**PROTECTION** | **PERFORMANCE**  
*you demand.* | *you deserve.™*

DATA SHEET

## Synthetic Biodegradable Hydraulic Oil Provides Outstanding Protection and High Biodegradability

Some hydraulic applications require use of highly biodegradable hydraulic oil due to government regulations or environmental concerns. Vegetable-based biodegradable oils, however, often provide good biodegradability but compromise performance in other areas. We designed AMSOIL Biodegradable Hydraulic Oil to offer the best of both worlds. Its synthetic formulation delivers the ideal combination of excellent biodegradability and wear protection for mobile and stationary hydraulic applications.

### Maximum Protection

AMSOIL Synthetic Biodegradable Hydraulic Oil provides excellent wear protection for hydraulic pumps and motors. It maximizes component life to help reduce time and money spent on maintenance.

### Reduces Environmental Impact

AMSOIL Synthetic Biodegradable Hydraulic Oil is readily biodegradable, with an environmental persistence classification of Pw1, the fastest and highest level of biodegradation. It helps reduce environmental harm in the event of leaks or minor spills.

### APPLICATIONS

Use AMSOIL Biodegradable Synthetic Hydraulic Oil as a replacement for most synthetic and conventional hydraulic fluids in stationary and mobile applications using gear, vane and piston hydraulic systems operating under high pressure and high temperatures. Typical applications include construction, logging and farming equipment, lawn and turf care or anywhere leaking, spills or ruptured hydraulic lines may present an environmental hazard. Use in applications that require any of the following specifications:

- Pw1 Ultimate Biodegradability (ASTM D5864)
- OECD 301B Readily Biodegradable
- Vessel General Permit (VGM) Compliant
- EN 16807: European Standard
- DIN 51524 Part 2 & 3
- ISO 15380 HEES
- Swedish Standard 15 54 34:2020



- **Resists** oxidation for long oil life
- **Guards** against wear
- **Helps** reduce harm to the environment

## TYPICAL TECHNICAL PROPERTIES

### AMSOIL Biodegradable Synthetic Hydraulic Oil (BHO)

ISO VG (ASTM D2422)	.46
Kinematic Viscosity @100°C, cSt (ASTM D445)	9.7
Kinematic Viscosity @40°C, cSt (ASTM D445)	47.6
Viscosity Index (ASTM D2270)	195
Specific Gravity (ASTM D1298)	0.9182
Density (ASTM D1298)	7.647
Four-Ball Wear Test (ASTM D4172) (40 kg, 1200 rpm, 75°C, 60 min.)	0.48
Flash Point °C (°F) (ASTM D92)	304 (579)
Pour Point °C (°F) (ASTM D97)	-43 (-45)
Copper Strip Corrosion Test (ASTM D130)	1A
Foam (ASTM D892, Sequence I, II & III)	0/0, 0/0, 0/0
Demulsibility (ASTM D1401)	40/40/0 (15)
Modified Sturm, OECD 301B	Readily Biodegradable (Pw1)

## COMPATIBILITY

AMSOIL Synthetic Biodegradable Hydraulic Oil is compatible with most synthetic and petroleum-based hydraulic oils. Mixing AMSOIL oils with other oils, however, will shorten the oil's life expectancy and reduce its performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed. To ensure proper performance, it is recommended systems be drained and flushed prior to installation.

## AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit [AMSOIL.com/warranty.aspx](http://AMSOIL.com/warranty.aspx).

## AMSOIL PRODUCT AVAILABILITY

AMSOIL products are available in 5-gallon pails, 55-gallon drums, 275-gallon totes and bulk quantities. Product packaging is not biodegradable.

AMSOIL industrial lubricants are stocked in Superior, Wisconsin and in select regional distribution centers throughout the United States and Canada. AMSOIL will stock additional quantities of lubricants or special-order products based on customer requests and regional demands. For applications and recommendations, contact your local independent AMSOIL Dealer or the AMSOIL Technical Services Department ([tech@AMSOIL.com](mailto:tech@AMSOIL.com), 715-399-TECH).

This product cannot be sold or marketed in California.

## HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available via the Internet at [AMSOIL.com](http://AMSOIL.com) or upon request at 715-392-7101. **Keep Out of Reach of Children.** Recycle used oil and bottle.



PROTECTION | PERFORMANCE  
you demand. | you deserve.™

AMSOIL products and Dealership information are available from your local full-service AMSOIL Dealer.

